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## **Effects of Lorazepam on Saccadic Eye Movements: The Role of Sex, Task Characteristics and Baseline Traits**

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**Supplementary Table 1: Pearson Correlations of Age, Intelligence and Trait Anxiety with Change Scores from Placebo**

		<b>Age</b>	<b>16PF</b>	<b>STAI</b>
<b>Gain RF Mean (1mg)</b>	r	0.155	-0.016	-0.156
	p	0.382	0.929	0.379
<b>Gain RN Mean (1mg)</b>	r	0.002	-0.146	-0.198
	p	0.990	0.411	0.263
<b>Gain LN Mean (1mg)</b>	r	-0.019	-0.017	-0.014
	p	0.914	0.926	0.936
<b>Gain LF Mean (1mg)</b>	r	0.034	-0.053	-0.027
	p	0.848	0.767	0.879
<b>Gain RF Mean (2mg)</b>	r	0.252	0.002	-0.119
	p	0.151	0.990	0.502
<b>Gain RN Mean (2mg)</b>	r	0.097	0.160	-0.060
	p	0.584	0.366	0.734
<b>Gain LN Mean (2mg)</b>	r	0.222	0.449	-0.155
	p	0.207	0.008	0.381
<b>Gain LF Mean (2mg)</b>	r	0.208	0.350	-0.157
	p	0.238	0.042	0.375
<b>Spatial Error RF Mean (1mg)</b>	r	-0.082	-0.017	0.099
	p	0.644	0.923	0.577
<b>Spatial Error RN Mean (1mg)</b>	r	-0.048	0.088	0.200
	p	0.788	0.621	0.256
<b>Spatial Error LN Mean (1mg)</b>	r	0.045	-0.101	-0.074
	p	0.800	0.571	0.680
<b>Spatial Error LF Mean (1mg)</b>	r	-0.068	0.030	0.045
	p	0.700	0.865	0.802
<b>Spatial Error RF Mean (2mg)</b>	r	-0.258	-0.004	0.099
	p	0.140	0.984	0.579

<b>Spatial Error RN Mean (2mg)</b>	r	-0.121	-0.009	0.138
	p	0.496	0.958	0.436
<b>Spatial Error LN Mean (2mg)</b>	r	-0.207	-0.310	0.097
	p	0.240	0.074	0.584
<b>Spatial Error LF Mean (2mg)</b>	r	-0.130	-0.107	0.225
	p	0.463	0.547	0.202
<b>Average Velocity RF Mean (1mg)</b>	r	0.139	0.100	-0.079
	p	0.431	0.573	0.656
<b>Average Velocity RN Mean (1mg)</b>	r	-0.023	-0.076	-0.063
	p	0.896	0.668	0.723
<b>Average Velocity LN Mean (1mg)</b>	r	0.000	0.114	-0.156
	p	0.998	0.519	0.379
<b>Average Velocity LF Mean (1mg)</b>	r	0.074	-0.046	-0.230
	p	0.678	0.797	0.190
<b>Average Velocity RF Mean (2mg)</b>	r	0.252	0.165	0.026
	p	0.150	0.352	0.886
<b>Average Velocity RN Mean (2mg)</b>	r	0.017	0.168	0.000
	p	0.925	0.342	10.000
<b>Average Velocity LN Mean (2mg)</b>	r	0.058	0.463	-0.116
	p	0.745	0.006	0.514
<b>Average Velocity LF Mean (2mg)</b>	r	0.199	0.339	-0.176
	p	0.259	0.050	0.319
<b>Peak Velocity RF Mean (1mg)</b>	r	0.166	0.053	-0.039
	p	0.349	0.768	0.827
<b>Peak Velocity RN Mean (1mg)</b>	r	0.119	-0.127	0.027
	p	0.501	0.475	0.878
<b>Peak Velocity LN Mean (1mg)</b>	r	0.091	-0.153	0.034
	p	0.609	0.388	0.850
<b>Peak Velocity LF Mean (1mg)</b>	r	0.011	-0.073	-0.018
	p	0.951	0.681	0.918

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<b>Peak Velocity RF Mean (2mg)</b>	r	0.208	-0.016	0.045
	p	0.238	0.930	0.801
<b>Peak Velocity RN Mean (2mg)</b>	r	0.183	0.066	0.035
	p	0.300	0.712	0.844
<b>Peak Velocity LN Mean (2mg)</b>	r	0.195	0.350	-0.082
	p	0.270	0.043	0.643
<b>Peak Velocity LF Mean (2mg)</b>	r	0.215	0.374	-0.081
	p	0.222	0.029	0.648
<b>Duration RF Mean (1mg)</b>	r	-0.075	-0.093	0.045
	p	0.675	0.602	0.801
<b>Duration RN Mean (1mg)</b>	r	0.087	-0.036	-0.247
	p	0.625	0.838	0.158
<b>Duration LN Mean (1mg)</b>	r	-0.014	-0.129	0.176
	p	0.936	0.466	0.320
<b>Duration LF Mean (1mg)</b>	r	-0.062	0.031	0.375
	p	0.729	0.860	0.029
<b>Duration RF Mean (2mg)</b>	r	0.005	-0.190	-0.106
	p	0.976	0.281	0.552
<b>Duration RN Mean (2mg)</b>	r	0.136	0.021	-0.087
	p	0.444	0.904	0.626
<b>Duration LN Mean (2mg)</b>	r	0.185	-0.111	0.029
	p	0.294	0.533	0.872
<b>Duration LF Mean (2mg)</b>	r	0.065	0.007	0.062
	p	0.716	0.967	0.730
<b>Latency RF Mean (1mg)</b>	r	0.050	-0.239	-0.200
	p	0.777	0.174	0.258
<b>Latency RN Mean (1mg)</b>	r	0.205	-0.063	-0.266
	p	0.244	0.724	0.128
<b>Latency LN Mean (1mg)</b>	r	0.259	0.157	-0.237

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	p	0.140	0.375	0.178
<b>Latency LF Mean (1mg)</b>	r	0.283	0.095	-0.293
	p	0.105	0.592	0.093
<b>Latency RF Mean (2mg)</b>	r	0.285	-0.038	-0.209
	p	0.103	0.831	0.235
<b>Latency RN Mean (2mg)</b>	r	0.210	-0.203	-0.216
	p	0.233	0.249	0.220
<b>Latency LN Mean (2mg)</b>	r	0.198	0.186	-0.086
	p	0.261	0.292	0.629
<b>Latency LF Mean (2mg)</b>	r	0.170	0.046	-0.140
	p	0.336	0.797	0.430
<b>Gain RF ICV (1mg)</b>	r	0.027	-0.199	-0.015
	p	0.881	0.258	0.932
<b>Gain RN ICV (1mg)</b>	r	-0.051	-0.115	0.085
	p	0.773	0.519	0.632
<b>Gain LN ICV (1mg)</b>	r	0.175	-0.035	-0.154
	p	0.322	0.845	0.385
<b>Gain LF ICV (1mg)</b>	r	-0.042	0.181	-0.110
	p	0.815	0.305	0.537
<b>Gain RF ICV (2mg)</b>	r	-0.251	-0.159	0.176
	p	0.152	0.368	0.319
<b>Gain RN ICV (2mg)</b>	r	-0.098	-0.030	0.003
	p	0.580	0.866	0.985
<b>Gain LN ICV (2mg)</b>	r	-0.248	-0.375	0.275
	p	0.158	0.029	0.115
<b>Gain LF ICV (2mg)</b>	r	-0.121	0.107	0.251
	p	0.496	0.549	0.153
<b>Spatial Error RF ICV (1mg)</b>	r	0.140	-0.203	-0.194
	p	0.428	0.248	0.271

<b>Spatial Error RN ICV (1mg)</b>	r	-0.040	-0.140	-0.077
	p	0.824	0.429	0.666
<b>Spatial Error LN ICV (1mg)</b>	r	0.047	0.116	-0.056
	p	0.794	0.515	0.752
<b>Spatial Error LF ICV (1mg)</b>	r	0.002	0.255	-0.310
	p	0.993	0.145	0.075
<b>Spatial Error RF ICV (2mg)</b>	r	0.092	-0.171	0.017
	p	0.605	0.332	0.922
<b>Spatial Error RN ICV (2mg)</b>	r	-0.004	-0.049	-0.193
	p	0.982	0.782	0.274
<b>Spatial Error LN ICV (2mg)</b>	r	-0.183	-0.094	0.258
	p	0.300	0.595	0.140
<b>Spatial Error LF ICV (2mg)</b>	r	-0.062	0.274	0.110
	p	0.729	0.117	0.536
<b>Average Velocity RF ICV (1mg)</b>	r	-0.037	-0.161	0.055
	p	0.835	0.362	0.756
<b>Average Velocity RN ICV (1mg)</b>	r	0.075	-0.091	0.071
	p	0.675	0.610	0.690
<b>Average Velocity LN ICV (1mg)</b>	r	0.281	-0.079	-0.002
	p	0.108	0.656	0.993
<b>Average Velocity LF ICV (1mg)</b>	r	-0.083	0.189	0.128
	p	0.640	0.284	0.469
<b>Average Velocity RF ICV (2mg)</b>	r	-0.301	-0.247	0.234
	p	0.084	0.159	0.182
<b>Average Velocity RN ICV (2mg)</b>	r	0.067	-0.046	-0.046
	p	0.705	0.797	0.797
<b>Average Velocity LN ICV (2mg)</b>	r	-0.116	-0.375	0.317
	p	0.515	0.029	0.068
<b>Average Velocity LF ICV (2mg)</b>	r	-0.046	0.089	0.198
	p	0.795	0.618	0.262

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<b>Peak Velocity RF ICV (1mg)</b>	r	0.004	-0.061	-0.007
	p	0.981	0.733	0.968
<b>Peak Velocity RN ICV (1mg)</b>	r	0.064	0.083	-0.013
	p	0.719	0.641	0.943
<b>Peak Velocity LN ICV (1mg)</b>	r	0.190	0.145	-0.037
	p	0.282	0.415	0.837
<b>Peak Velocity LF ICV (1mg)</b>	r	-0.052	0.116	0.110
	p	0.769	0.514	0.535
<b>Peak Velocity RF ICV (2mg)</b>	r	-0.018	-0.119	-0.008
	p	0.919	0.502	0.963
<b>Peak Velocity RN ICV (2mg)</b>	r	-0.010	0.120	-0.009
	p	0.955	0.500	0.960
<b>Peak Velocity LN ICV (2mg)</b>	r	-0.098	-0.245	0.262
	p	0.582	0.163	0.134
<b>Peak Velocity LF ICV (2mg)</b>	r	-0.168	0.102	0.082
	p	0.342	0.567	0.645
<b>Duration RF ICV (1mg)</b>	r	-0.050	-0.081	0.155
	p	0.780	0.648	0.382
<b>Duration RN ICV (1mg)</b>	r	0.069	0.012	-0.023
	p	0.697	0.947	0.896
<b>Duration LN ICV (1mg)</b>	r	0.226	0.090	-0.068
	p	0.198	0.614	0.704
<b>Duration LF ICV (1mg)</b>	r	-0.140	0.138	0.224
	p	0.429	0.436	0.203
<b>Duration RF ICV (2mg)</b>	r	-0.055	0.015	0.272
	p	0.757	0.931	0.119
<b>Duration RN ICV (2mg)</b>	r	0.216	-0.025	-0.189
	p	0.220	0.887	0.284
<b>Duration LN ICV (2mg)</b>	r	-0.038	-0.327	0.179

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	p	0.832	0.059	0.312
<b>Duration LF ICV (2mg)</b>	r	0.129	0.043	0.037
	p	0.466	0.809	0.833
<b>Latency RF ICV (1mg)</b>	r	-0.073	-0.313	-0.096
	p	0.684	0.071	0.587
<b>Latency RN ICV (1mg)</b>	r	0.102	0.244	-0.205
	p	0.568	0.165	0.244
<b>Latency LN ICV (1mg)</b>	r	0.198	-0.018	-0.240
	p	0.262	0.919	0.172
<b>Latency LF ICV (1mg)</b>	r	0.156	0.233	-0.259
	p	0.377	0.184	0.139
<b>Latency RF ICV (2mg)</b>	r	0.084	-0.039	-0.143
	p	0.638	0.825	0.419
<b>Latency RN ICV (2mg)</b>	r	0.067	0.023	-0.463
	p	0.707	0.896	0.006
<b>Latency LN ICV (2mg)</b>	r	0.074	-0.068	-0.158
	p	0.677	0.703	0.371
<b>Latency LF ICV (2mg)</b>	r	-0.302	-0.085	0.085
	p	0.083	0.631	0.631
<b>Q RF (2mg)</b>	r	0.107	-0.119	0.010
	p	0.548	0.504	0.954
<b>Q RN (2mg)</b>	r	0.203	-0.048	0.035
	p	0.248	0.786	0.845
<b>Q LN (2mg)</b>	r	0.168	-0.108	0.009
	p	0.342	0.543	0.958
<b>Q LF (2mg)</b>	r	0.067	0.152	0.113
	p	0.705	0.392	0.525
<b>Skewness RF (2mg)</b>	r	-0.146	-0.105	0.089
	p	0.410	0.556	0.615

<b>Skewness RN (2mg)</b>	r	-0.279	0.051	0.271
	p	0.110	0.774	0.121
<b>Skewness LN (2mg)</b>	r	-0.026	0.243	0.021
	p	0.883	0.166	0.904
<b>Skewness LF (2mg)</b>	r	-0.154	0.063	0.437
	p	0.385	0.725	0.010
<b>Q RF (1mg)</b>	r	0.104	-0.003	-0.016
	p	0.559	0.988	0.927
<b>Q RN (1mg)</b>	r	0.123	-0.065	0.032
	p	0.489	0.713	0.857
<b>Q LN (1mg)</b>	r	0.060	-0.263	0.139
	p	0.734	0.132	0.434
<b>Q LF (1mg)</b>	r	-0.080	-0.007	0.260
	p	0.652	0.971	0.137
<b>Skewness RF (1mg)</b>	r	0.036	-0.046	0.125
	p	0.841	0.796	0.482
<b>Skewness RN (1mg)</b>	r	-0.050	-0.009	0.009
	p	0.781	0.961	0.961
<b>Skewness LN (1mg)</b>	r	0.207	0.175	-0.222
	p	0.240	0.322	0.207
<b>Skewness LF (1mg)</b>	r	-0.068	0.358	0.128
	p	0.703	0.038	0.471
<b>Curvature RF Mean (1mg)</b>	r	-0.015	0.008	0.071
	p	0.933	0.966	0.691
<b>Curvature RN Mean (1mg)</b>	r	0.063	-0.127	0.003
	p	0.725	0.475	0.988
<b>Curvature LN Mean (1mg)</b>	r	-0.048	0.179	0.147
	p	0.790	0.312	0.406
<b>Curvature LF Mean (1mg)</b>	r	0.226	0.126	0.114
	p	0.198	0.479	0.519

<b>Curvature RF ICV (1mg)</b>	r	0.146	-0.123	-0.397
	p	0.411	0.489	0.020
<b>Curvature RN ICV (1mg)</b>	r	-0.105	-0.376	0.065
	p	0.556	0.028	0.714
<b>Curvature LN ICV (1mg)</b>	r	0.138	-0.067	0.264
	p	0.436	0.706	0.131
<b>Curvature LF ICV (1mg)</b>	r	0.016	0.161	-0.061
	p	0.928	0.363	0.734
<b>Curvature RF Mean (2mg)</b>	r	0.113	0.096	0.064
	p	0.524	0.590	0.720
<b>Curvature RN Mean (2mg)</b>	r	0.281	-0.050	-0.133
	p	0.108	0.778	0.453
<b>Curvature LN Mean (2mg)</b>	r	0.081	0.097	0.168
	p	0.649	0.583	0.343
<b>Curvature LF Mean (2mg)</b>	r	0.047	0.037	0.119
	p	0.792	0.835	0.502
<b>Curvature RF ICV (2mg)</b>	r	-0.080	-0.024	-0.272
	p	0.653	0.893	0.120
<b>Curvature RN ICV (2mg)</b>	r	-0.223	-0.480	-0.045
	p	0.206	0.004	0.801
<b>Curvature LN ICV (2mg)</b>	r	-0.120	-0.179	0.415
	p	0.497	0.312	0.015
<b>Curvature LF ICV (2mg)</b>	r	-0.202	-0.200	0.139
	p	0.253	0.256	0.432

**Legend:** Saccadic variables indicate change scores from placebo. 16PF is the 16PF reasoning ability scale (Cattell et al., 1970). STAI is the State Trait Anxiety Inventory (Spielberger et al., 1983). N=34. RF=right far, RN=right near, LN=left near, LF=left far. Further details on saccadic variables are found in the main manuscript.